



PCT10

RAW SEQUENCE LISTING

DATE: 03/08/2002

PATENT APPLICATION: US/10/069,586

TIME: 14:32:50

Input Set : A:\9426-023-228 SEQUENCE LISTING.txt

Output Set: N:\CRF3\03082002\J069586.raw

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4 <110> APPLICANT: University of Virginia Patent Foundation
5      Leland Chung
6      Chia-Ling Hsieh
7      Kenneth S. Koeneman
8      Fan Yeung
10 <120> TITLE OF INVENTION: OSTEONECTIN BASED TOXIC GENE THERAPY FOR THE TREATMENT OF
CALCIFIED
11      TUMORS AND TISSUES
13 <130> FILE REFERENCE: 9426-023-228
C--> 15 <140> CURRENT APPLICATION NUMBER: US/10/069,586
C--> 16 <141> CURRENT FILING DATE: 2002-02-27
18 <150> PRIOR APPLICATION NUMBER: US 60/136,440
19 <151> PRIOR FILING DATE: 1999-05-28
21 <160> NUMBER OF SEQ ID NOS: 12
23 <170> SOFTWARE: FastSEQ for Windows Version 4.0
25 <210> SEQ ID NO: 1
26 <211> LENGTH: 2313
27 <212> TYPE: DNA
28 <213> ORGANISM: Homo sapiens
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33 gcactttggg aagccaaggc attcggattg cccaagctca ggagttcgag accagcctgg      180
34 gcaaatgttt gaaaccccat ttctactaaa aatacaataa attagctggg tgttgtggca      240
35 tgtgcgcctg taatcccagc tactctggag gctgaggcgc gataattgct tgaaccggg      300
36 aggcagaggt tgcagtgagc cgaaatcata ccactgcact ccagcctggg cgacagagtg      360
37 agtgagactc tgtctcaaaa caaaacaaaa caaacaaaaa aaaaaaccgg aaaccaacaa      420
38 aactttttga ggaacaaagg gaaccaggta ttttattaat tctcatacct ccagagtgtt      480
39 aggcacaaaa taaacattca accaagacct gttgcactga gcagttcata tataacagga      540
40 gtgacccaag ttgaaacgta gaatcagccc tctcatacca ctttttgcca ggtgatcata      600
41 ggcaagttac ttagcatcta tgtttcctta ttattaaaat ggtcataatt acaatgccta      660
42 agataagggg gttgctgtga agattattaa atcctcagta aactttggct attgttactc      720
43 ctatgattat catcaatata atcaattacc ttatctgttc aatactgggtg gcacagggtcc      780
44 accagctaga tgtctaatac cttatgtgtc tattagtggg acaagtggag tttgagtggg      840
45 attttttttt ttttttttaa gaccagttcc aaatcatcaa ggatgatacc actagtagca      900
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47 ttgaattgct tggcccttct cagcattgcc taatattagg gaggactcct gtaaagctca      1020
48 ctggttagaa gatcaagaca ctggggcctg gttctgcccc tgggggccat tgggtaattc      1080
49 cttssagtct ccaggcctca ctggccctct gaacaagaaa gaggcctggt ctggtcatcc      1140
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51 tgaggcaggc agggttggga cgttttggtc ggacagccca ccgcaaaaag aggaggaaaag      1260
52 aaatgaaaga cagagacagc tttggctatg ggagaaggag gaggccgggg gaaggaggag      1320
53 acaggaggag gagggaccac ggggtggagg ggagatagac ccagccacaga gctctgagt      1380
54 gtttcctggt gctgtctct aaacccctcc acattcccgc ggtccttcag actgcccgga      1440

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55 gagcgcgctc tgccctgccgc ctgccctgccc gccactgagg tatgtgtgac ccccgcccag 1500
56 cctttccctt ctatagtgc accaaccocg acaccccctg tcacgcgcgc agctcgtgtg 1560
57 caagggaggg aagctctgct gaggatgggc ctctccctcc ggtcccatca cggctccctt 1620
58 taagagcatg gccctcggtc ctgtctgccc gttgcttttc agaagggtga ctactgtgt 1680
59 aactttgtct tcccttacag gtttacagga aaataatctc actatgttct tcgggggagc 1740
60 attttctcac tctctgtttt tctctgtgtc tgtctctggt ttcagaggct gctgcccgt 1800
61 cctctttgct ccttttgcaa atgtggcagc ctctcccttt cctgggaatc tgatcccatc 1860
62 acagctgccca cagggacctg gccagcaacc ggagtctgtc ctccagatct cggtcagggg 1920
63 ttctgttttc caaaaaggga ctttgagaa caatcagttg atctctgaaa gggaaagggg 1980
64 gaggtttcac cattaatcca cacctctggg aagcttctgt ttctctctaa ttctctcac 2040
65 tcccaaacac caccttccgt ccccccata cacaaatttc agcaccattc tgctgaaat 2100
66 ggcacatca caacctcagt cttgggttag gtgtgtttcc tgtctgagt tcttgggat 2160
67 ggtaaacaca ggcagtagcc cttagtttat ctagatctga aaaccagac atcagatata 2220
68 gtcaaccaag acatgggtgt aatgggaggt ggagtgtgct gggggagata ttctcagaag 2280
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74 <213> ORGANISM: Homo sapiens
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78 tacaaccccc ttgaattgct tggccctcct cagcattgcc taatattagg gaggactcct 120
79 gtaaaagctca ctgggttagaa gatcaagaca cttgggcccgt gttctgcccc tgggggccat 180
80 tgggtaattc cttgcagctc ccaggccctc cttgccctct gaacaagaaa gaggtgttcc 240
81 tgggtcgctc ctccaggcct gtccagccct ggacactctc gtgagtcggt ttaggcagca 300
82 gccccggaac agatgaggca ggcagggttg ggacgttttg tcaggacagc ccaccgcaaa 360
83 aagaggagga aagaaatgaa agacagagac aggggagaag gaggaggccg ggggaaggag 420
84 gagacaggag gaggaggac caggggttg aggggagata gaccagccc agagctctga 480
85 gtggtttcct gttgctgtc tctaaacccc tccacattcc cgcggtcctt cagactgcc 540
86 ggagagcgcg ctctgctgc cgccctgctg cctg 574
88 <210> SEQ ID NO: 3
89 <211> LENGTH: 22
90 <212> TYPE: DNA
91 <213> ORGANISM: Artificial Sequence
93 <220> FEATURE:
94 <223> OTHER INFORMATION: Primer
96 <400> SEQUENCE: 3
97 actagtagca gcttgtcttg tc 22
99 <210> SEQ ID NO: 4
100 <211> LENGTH: 21
101 <212> TYPE: DNA
102 <213> ORGANISM: Artificial Sequence
104 <220> FEATURE:
105 <223> OTHER INFORMATION: Primer
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110 <210> SEQ ID NO: 5
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113 <213> ORGANISM: Artificial Sequence
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116 <223> OTHER INFORMATION: Primer
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126 <211> LENGTH: 22
127 <212> TYPE: DNA
128 <213> ORGANISM: Artificial Sequence
130 <220> FEATURE:
131 <223> OTHER INFORMATION: Primer
133 <400> SEQUENCE: 6
134 tacctcagtg gcaagcaggc ag                22
136 <210> SEQ ID NO: 7
137 <211> LENGTH: 18
138 <212> TYPE: DNA
139 <213> ORGANISM: Artificial Sequence
141 <220> FEATURE:
142 <223> OTHER INFORMATION: Primer
144 <400> SEQUENCE: 7
145 caagcaaggca ggcggcag                18
147 <210> SEQ ID NO: 8
148 <211> LENGTH: 21
149 <212> TYPE: DNA
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152 <220> FEATURE:
153 <223> OTHER INFORMATION: Primer
155 <400> SEQUENCE: 8
156 gcgcgctctc cgggcagtct g                21
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159 <211> LENGTH: 19
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161 <213> ORGANISM: Artificial Sequence
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164 <223> OTHER INFORMATION: Primer
166 <400> SEQUENCE: 9
167 tccaccaccc tgttgctgt                19
169 <210> SEQ ID NO: 10
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171 <212> TYPE: DNA
172 <213> ORGANISM: Artificial Sequence
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182 <212> TYPE: DNA
183 <213> ORGANISM: Artificial Sequence

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185 <220> FEATURE:
186 <223> OTHER INFORMATION: Primer
188 <400> SEQUENCE: 11
189 accacagtc atgcatca 19
191 <210> SEQ ID NO: 12
192 <211> LENGTH: 19
193 <212> TYPE: DNA
194 <213> ORGANISM: Artificial Sequence
196 <220> FEATURE:
197 <223> OTHER INFORMATION: Primer
199 <400> SEQUENCE: 12
200 tccaccacc tggtgctgt 19

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/069,586

DATE: 03/08/2002

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Input Set : A:\9426-023-228 SEQUENCE LISTING.txt

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L:15 M:270 C: Current Application Number differs, Replaced Current Application Number

L:16 M:271 C: Current Filing Date differs, Replaced Current Filing Date